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8-7-01

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/597,920

DATE: 03/15/2001

TIME: 09:39:26

Input Set : A:\05033.app

Output Set: N:\CRF3\03152001\I597920.raw

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3 <110> APPLICANT: Samelson, Lawrence E.
4   Zhang, Weiguo
6 <120> TITLE OF INVENTION: Compositions and Methods for Identifying and Testing
7   Tyrosine Kinase Substrates and Their Agonists and
8   Antagonists
10 <130> FILE REFERENCE: NIH-05033
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/597,920
C--> 13 <141> CURRENT FILING DATE: 2000-06-19
15 <150> PRIOR APPLICATION NUMBER: 60/068,690
16 <151> PRIOR FILING DATE: 1997-12-23
18 <160> NUMBER OF SEQ ID NOS: 15
20 <170> SOFTWARE: PatentIn Ver. 2.0
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23 <211> LENGTH: 1059
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
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30 tgatggcact gtgtgtgca tgcacagac tgcaggctc ctacgacagc acatcctcag 180
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34 atgggtgcaa cagtgtggcg agctacgaga acgaggaacc agcctgtgag gatgcagatg 420
35 aggatgagga cgactatcac aaccaggtc acctggtggt gcttctgac agcaccctgg 480
36 ccactagcac tctgtcccca tcaactcctg cactcagcac cctggcacc cgagacagtg 540
37 ccttctccat ggagtccatt gatgattacg tgaacgttcc ggagagcggg gagagcgag 600
38 aagcgtctct ggatggcagc cgggagtatg tgaatgtgtc ccaggaactg catcctggag 660
39 cggetaagac tgagcctgcc gccctgagtl ccaggaggc agaggaagtg gaggaagagg 720
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53 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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58 ctgtgcccc tctggccat gttgatggca ctgtgtgtc actgccacag actgccaggc 180
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63 tgcgtctggg atccgaggtg cccaggctgg gtggggagtc tggggtccgt cctggactag 480
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69 tgagcctgac gccctgagtt cccaggaggg agaggagtg gaggaagagg gggctccaga 840
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103 ccagtgaacca gggctgagct ggcctctgtg aactccagg aggtggaaga cgaaggagaa 960
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106 catttgatct ctgcttggcc acagcctgag aatcttcccc taacttattg tcaacttggg 1140
107 gtccagctct tgcctccaat attctgtacc ttctgataaa gcctgagaat gaatctggtt 1200
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110 <210> SEQ ID NO: 4
111 <211> LENGTH: 233
112 <212> TYPE: PRT

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113 <213> ORGANISM: Homo sapiens
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120 20 25 30
122 Pro Gly Ser Tyr Asp Ser Thr Ser Ser Asp Ser Leu Tyr Pro Arg Gly
123 35 40 45
125 Ile Gln Phe Lys Arg Pro His Thr Val Ala Pro Trp Pro Pro Ala Tyr
126 50 55 60
128 Pro Pro Val Thr Ser Tyr Pro Pro Leu Ser Gln Pro Asp Leu Leu Pro
129 65 70 75 80
131 Ile Pro Arg Ser Pro Gln Pro Leu Gly Gly Ser His Arg Thr Pro Ser
132 85 90 95
134 Ser Arg Arg Asp Ser Asp Gly Ala Asn Ser Val Ala Ser Tyr Glu Asn
135 100 105 110
137 Glu Glu Pro Ala Cys Glu Asp Ala Asp Glu Asp Glu Asp Asp Tyr His
138 115 120 125
140 Asn Pro Gly Tyr Leu Val Val Leu Pro Asp Ser Thr Pro Ala Thr Ser
141 130 135 140
143 Thr Ala Ala Pro Ser Ala Pro Ala Leu Ser Thr Pro Gly Ile Arg Asp
144 145 150 155 160
146 Ser Ala Phe Ser Met Glu Ser Ile Asp Asp Tyr Val Asn Val Pro Glu
147 165 170 175
149 Ser Gly Glu Ser Ala Glu Ala Ser Leu Asp Gly Ser Arg Glu Tyr Val
150 180 185 190
152 Asn Val Ser Gln Glu Leu His Pro Gly Ala Ala Lys Thr Glu Pro Ala
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164 <212> TYPE: PRT
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172 20 25 30
174 Leu Pro Val Ser Tyr Asp Ser Thr Ser Thr Glu Ser Leu Tyr Pro Arg
175 35 40 45
177 Ser Ile Leu Ile Lys Pro Pro Gln Ile Thr Val Pro Arg Thr Pro Ala
178 50 55 60
180 Val Ser Tyr Pro Leu Val Thr Ser Phe Pro Pro Leu Arg Gln Pro Asp
181 65 70 75 80
183 Leu Leu Pro Ile Pro Arg Ser Pro Gln Pro Leu Gly Gly Ser His Arg
184 85 90 95

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190          115          120          125
192 Glu Asp Asp Tyr Pro Asn Gly Tyr Leu Val Val Leu Pro Asp Ser Ser
193          130          135          140
195 Pro Ala Ala Val Pro Val Val Ser Ser Ala Pro Val Pro Ser Asn Pro
196 145          150          155          160
198 Asp Leu Gly Asp Ser Ala Phe Ser Val Glu Ser Cys Glu Asp Tyr Val
199          165          170          175
201 Asn Val Pro Glu Ser Glu Glu Ser Ala Glu Ala Ser Leu Asp Gly Ser
202          180          185          190
204 Arg Glu Tyr Val Asn Val Ser Pro Glu Gln Gln Pro Val Thr Arg Ala
205          195          200          205
207 Glu Leu Ala Ser Val Asn Ser Gln Glu Val Glu Asp Glu Gly Glu Glu
208          210          215          220
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220 <213> ORGANISM: Homo sapiens
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225 cattggcatt gggaccagag accccgcaag tggcctgttt gcctggacat ccacctgtac 180
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251 tactacactg cccgctcage aggggaagtgg ccgctcaagt ggtacgcacc cgaatgcac 1740
252 aacttccgca agttctccag ccgcagcgat gtctggagct atggggtcac catgtgggag 1800
253 gccttgtcct acggccagaa gccctacaag aagatgaaag ggccggagggt catggccttc 1860
254 atcgagcagg gcaagcgat ggagtgccca ccagagtgtc cccccgaact gtacgcactc 1920
255 atgagtgtact gctggatcta caagtgggag gatcgccccg acttcctgac cgtggagcag 1980
256 cgcattcgag cctgttacta cagcctggcc agcaagggtg aaggggcccc aggcagcaca 2040
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258 ctcttcccca cctcagccc caccacaggt cctgcagtct ggctgagccc tgcctgggtt 2160
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265 <210> SEQ ID NO: 7

266 <211> LENGTH: 617

267 <212> TYPE: PRT

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270 <400> SEQUENCE: 7

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275             20             25             30
277 Leu Phe Leu Leu Arg Gln Cys Leu Arg Ser Leu Gly Gly Tyr Val Leu
278             35             40             45
280 Ser Leu Val Asp Asp Val Arg Phe His His Phe Pro Ile Glu Arg Gln
281             50             55             60
283 Leu Asn Gly Thr Tyr Ala Ile Ala Gly Gly Lys Ala His Cys Gly Pro
284   65             70             75             80
286 Ala Glu Leu Cys Gln Phe Tyr Ser Gln Asp Pro Asp Gly Leu Pro Cys
287             85             90             95
289 Asn Leu Arg Asn Ala Cys Asn Arg Pro Pro Gly Leu Glu Pro Gln Pro
290             100            105            110
292 Gly Val Phe Asp Cys Leu Arg Asp Ala Met Val Arg Asp Tyr Val Arg
293             115            120            125
295 Gln Thr Trp Lys Leu Glu Gly Asp Ala Leu Glu Gln Ala Ile Ile Ser
296             130            135            140
298 Gln Ala Pro Gln Val Glu Lys Leu Ile Ala Thr Thr Ala His Glu Arg
299 145             150             155             160
301 Met Pro Trp Tyr His Ser Ser Leu Thr Arg Glu Glu Ala Glu Arg Lys
302             165             170             175
304 Leu Tyr Ser Gly Gln Gln Thr Asp Gly Lys Phe Leu Leu Arg Pro Arg
305             180             185             190
307 Lys Glu Gln Gly Thr Tyr Ala Leu Ser Leu Val Tyr Gly Lys Thr Val
308             195             200             205
310 Tyr His Tyr Leu Ile Ser Gln Asp Lys Ala Gly Lys Tyr Cys Ile Pro
311             210             215             220

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/597,920

DATE: 03/15/2001

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Output Set: N:\CRF3\03152001\I597920.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

STATISTICS SUMMARY
PATENT APPLICATION: US/09/597,920

DATE: 03/15/2001

TIME: 09:39:28

Input Set : A:\05033.app
Output Set: N:\CRF3\03152001\I597920.raw

Application Serial Number: US/09/597,920
Alpha or Numeric: Numeric
Application Class:
Application File Date: 06-19-2000
Art Unit:
Software Application: PatentIn
Total Number of Sequences: 15
Number of Seqs: 15727
Number of Peps: 3606
Number of Errors: 0
Number of Warnings: 0
Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)
271 C: 1 (Current Filing Date differs)